

RECOMBINANT HEXOSE OXIDASE, A METHOD OF PRODUCING SAME AND  
USE OF SUCH ENZYME

ABSTRACT

A method of producing hexose oxidase by recombinant DNA  
5 technology, recombinant hexose oxidase and the use of such  
enzyme, in particular in the manufacturing of food products  
such as doughs and dairy products, animal feed, pharmaceuti-  
cals, cosmetics, dental care products and in the manufactur-  
ing of lactones. Suitable sources of DNA coding for the  
10 enzyme are marine algal species including *Chondrus crispus*,  
*Iridophycus flaccidum* and *Euthora cristata*. In useful embodi-  
ments, the recombinant hexose oxidase is produced by *Pichia*  
*pastoris*, *Saccharomyces cerevisiae* or *E. coli*.